

New Threats

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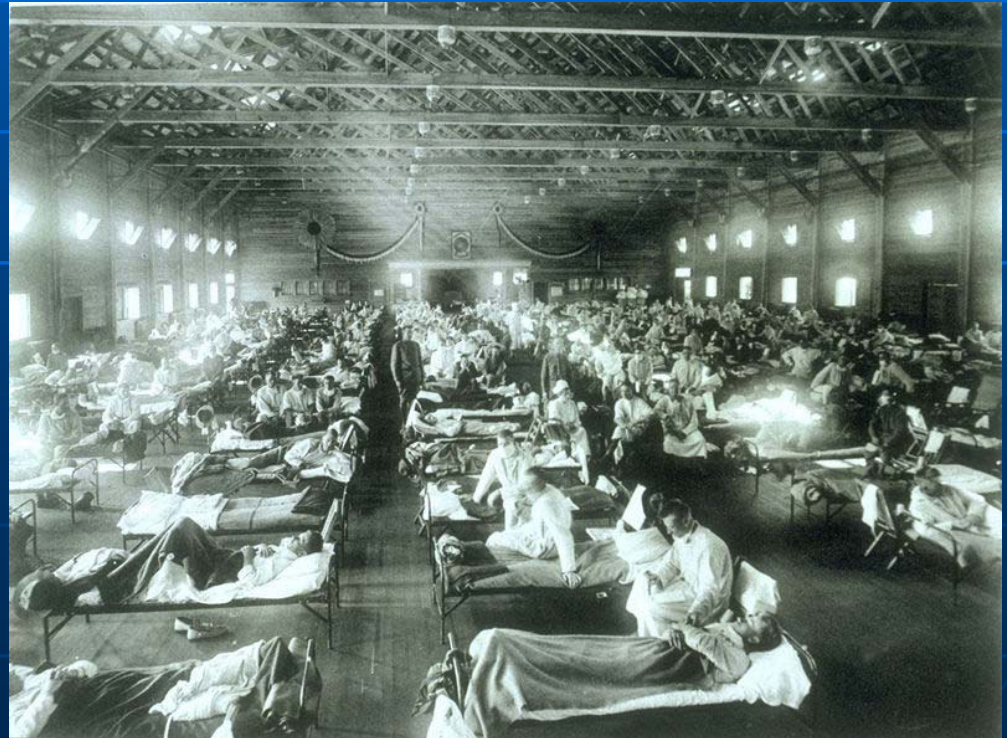
Program Objective

Discuss examples of new threats that impact on people or organizations.

A Look Back ...

1918-1919 Spanish Flu

- 50 million deaths worldwide
- ½ million deaths in USA



Would people listen now?



1957-1958 Asian Flu

70,000 deaths in USA



1968-1969 Hong Kong Flu

34,000 deaths in the USA

1991 Cholera Epidemic

- 400,000 cases in Latin America
- 4,000 deaths in 11 countries

1998: Dengue Fever

708,146 cases reported in 35 countries
(most in Latin America)

2002: West Nile Virus

- 4,156 cases, worldwide
- 284 deaths

2003: West Nile Virus

1,856 cases, 37 deaths

2003: Monkeypox

37 confirmed cases in USA

2003: SARS

- 8,422 cases
- 916 deaths

Biggest New Threat?



New Threats to People and Programs

Some areas we'll discuss:

- Terrorism
- Suicide Bombers
- Dispersion Devices
- Pandemic Flu Outbreak
- Your ideas

Terrorism



Madrid Bombings

March 11, 2004



Suicide Bombers

- Extremely effective in Iraq and Israel
- Already had a suicide bombing attack in US
 - September 11, 2001



Palestinian Suicide Belt Device

Firing switch

Modified personal games console.



Main device

Pocketed belt worn around lower torso under a jacket, containing a number of iron pipe bombs containing TATP as the main charge, together with the arming switch / powerpack. The device is initiated from button on the games console.

Initiator

Photo flash bulb in holder is drilled and filled with gunpowder - one per pipe bomb.



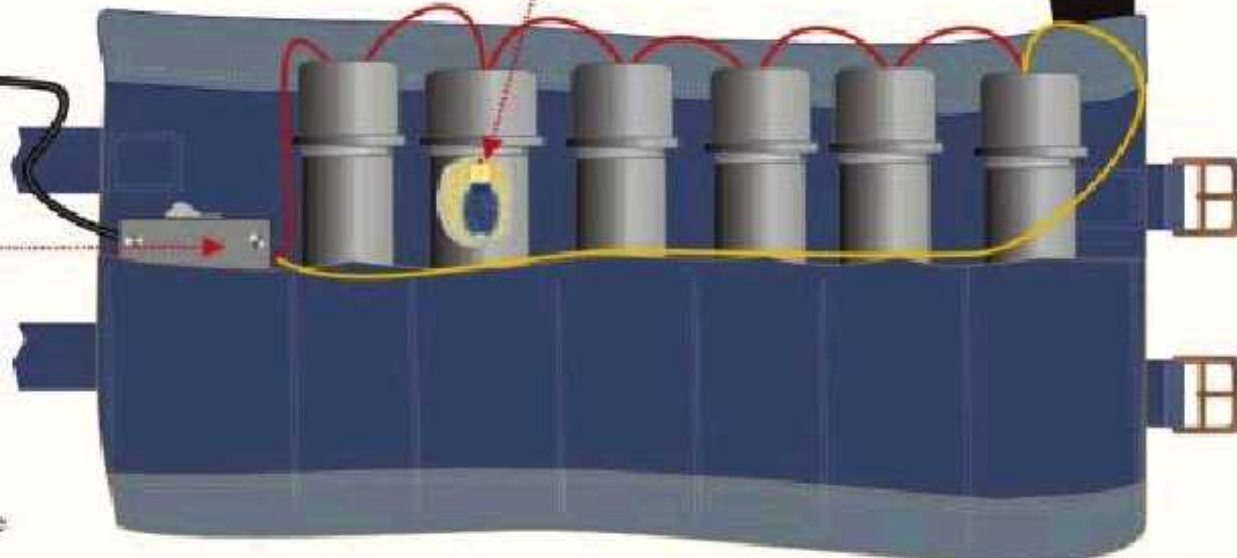
Deployment

The cable from the firing switch is threaded down sleeve to bomb around waist under loose fitting jacket. Perpetrators are believed to raise their arms into the air before initiation.



Arming switch

Simple rocker type arming switch and 9 volt battery.



Dispersion Devices

Chemical



Biological



Radiological



Nuclear



Explosives



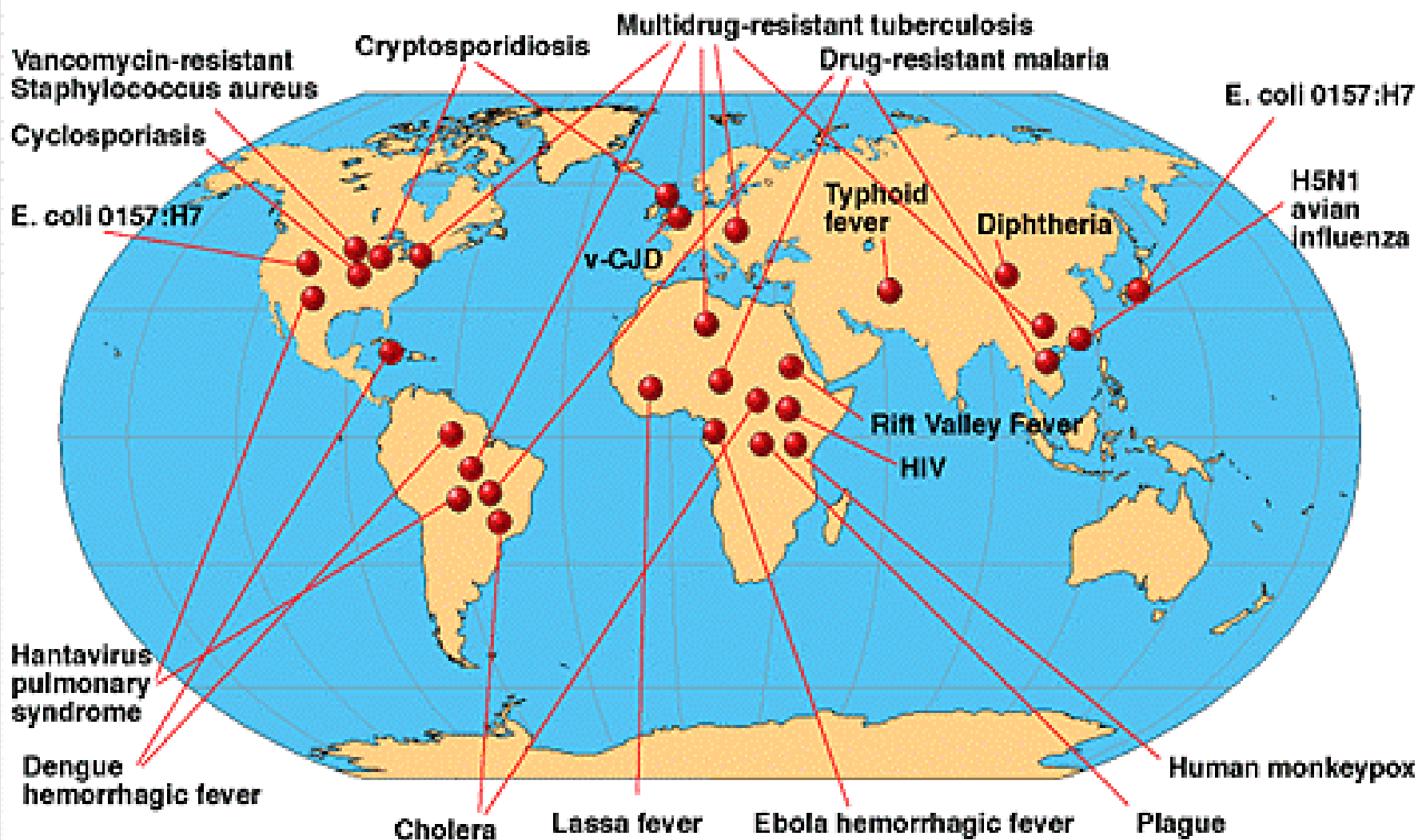
Bomb Tech Wisdom

- If the bomb can't go to the target, bring the target to the bomb.
- If you can see the bomb, the bomb can see you.
- Don't lick it or kick it.
- If you see us running, you'd better try to catch up!



Your Ideas?

Examples of Emerging and Re-Emerging Diseases



Catastrophic Natural Disasters





Some Issues

- Predictability of natural disasters.
- Governmental preparedness.
- Deployment of resources.
- Sustaining long-term operations.
- Disaster planning by the public.

Evacuation Plans

Thought about making an evacuation plan 28%

Actually made an evacuation plan 12%

Have made evacuation plan that includes...

Getting out of your house 11%

Leaving your community 7%

Getting to a community shelter 5%

Have made an evacuation plan and practiced it 4%

Transfer of Russian Technology



Sverdlovsk Anthrax Outbreak of 1979



Category A Agents

Botulism

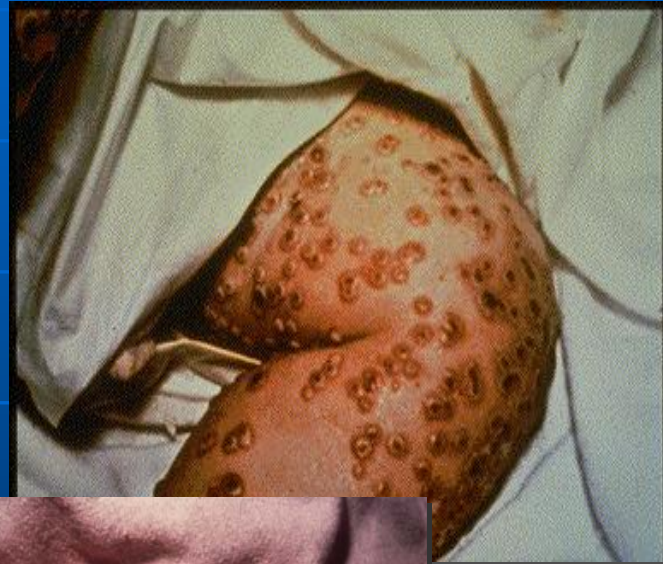
Ebola

Plague

Anthrax

Smallpox

Tularemia



Black eschar

Program Threats

- Apathy, once again!
- Competition for volunteers
- Sustainability of programs
- Other ideas?

Your Ideas?

Summary

- What's old is new.
- We covered some threats.
- But, learning transfer is up to *you*.